

V&V Summary Report

L2 ASCDS Version : 10.2.4

Observation 16014 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Sep 15 2014

See [axaff16014N002_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2014.09.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	120.9992009306

Comments

A spatial region of the original bias map for CCD = 2 suffered from anomalously high data values. Pixels in the event data that were bias-corrected by one of the original affected bias pixels may have an apparent energy shift. While the change in energy is expected to be small (~ 20 eV), it depends on many parameters that have not yet been fully explored for this bias anomaly. The bias map for CCD = 2 has been reconstructed for this processing to remove this anomaly using scaled data from a comparable bias map from another observation.

The pixels affected by the anomaly are bounded by sky coords:
(349.75291, 43.07278), (349.75243, 43.06925), (349.83933, 43.06284),
(349.84092, 43.06628).

seq_num	601102	Sequence number
obs_id	16014	Observation id
title	A Study of Hydrodynamic Instabilities in the Major Merger of Galaxy Groups NGC7618 and UGC12491	Proposal title
observer	Dr. Marie Machacek	Principal investigator
object	NGC7618	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	349.916	Observer's specified target RA [deg]
dec_targ	42.855	Observer's specified target Dec [deg]
ra_nom	349.91330571361	Nominal RA [deg]
dec_nom	42.852592473707	Nominal Dec [deg]
roll_nom	174.15845960417	Nominal Roll [deg]
revision	2	Processing version of data
ontime	120999.2009306	Sum of GTIs [s]
livetime	119418.25729212	Livetime [s]
ontime2	120992.91882974	Sum of GTIs [s]
ontime3	120986.63680917	Sum of GTIs [s]
ontime5	120999.2009306	Sum of GTIs [s]
ontime6	120989.77776957	Sum of GTIs [s]
ontime7	120999.2009306	Sum of GTIs [s]
l2events	1382483	Number of level 2 events

